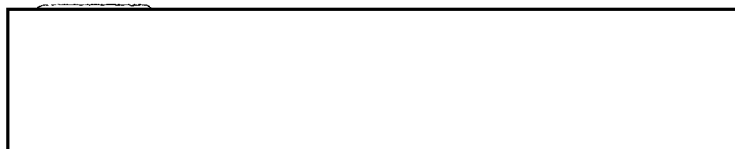


JB
250 *#63*
STAT



2 October 1963

STAT
[Redacted]

Army Map Service Headquarters
6500 Brook Lane
Washington 25, D. C.

SUBJECT: Electronic Dodging Tilt Rectifier

Dear Bill:

STAT
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Since [Redacted] and my visit to you on 13 September 1963, we have been investigating ways to affix dodging devices to the rectifiers. These investigations are being conducted on two fronts; one, we have consulted with [Redacted] in regard to utilizing their standard components and experience to satisfy this request; two, we have assigned an engineer to investigate all dodging equipment and to analyze the affects that dodging will have on the optical quality of the film.

STAT
Present indications from [Redacted] are that exposure time will run from 3-4 minutes. In light of the results which you have obtained, we feel that this is excessive. We have asked [Redacted] therefore, to undertake a study to determine the best and fastest way to dodge this photography. They will submit to me by October 4 a technical and cost proposal of a solution to this problem. They indicate that they seriously doubt that they can solve this problem by March. As a result, I suggest that we continue with the current objective of this contract. In fact, it appears that even if dodging equipment was available, it would still be the best plan to install a tungsten lamp source with the condition that it could be easily replaced by a dodging light source. By this means, optimum resolution may be obtained with minimum exposure time and if so desired, the dodging system may be affixed to enhance the photographic quality of the film. [Redacted] is currently modifying his designs to enable means of quickly disconnecting the tungsten light source from the sweep arm. This is being done without adversely affecting the shipment or the cost of the rectifier.

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Declass Review by
NIMA/DOD

Electronic Dodging

-2-

2 October 1963

Upon receipt of the proposal from we will analyze it, add to it our findings, prepare a budgetary estimate, and submit it to you hopefully by October 9. We will continue our investigations beyond that date in order to finalize this requirement.

STAT

I suggest that we continue on with the present rectifiers under the schedule as established, and not jeopardize the delivery of the first equipment with the addition of the dodging system. We have not fully analyzed the impact of affixing this device to the second rectifier. By October 9, we will have fully analyzed this impact and will forward this information to you.

Very truly yours,

STAT

Manager, Photo-Optical Department

RDM:dm